

Partial Translation of JP-A-2003-252986

[Claims]

[Claim 1]

A continuous producing method for a polyamide resin composition, comprising a raw material preparing step, an amidation step, a pre-polymerization step and a post-polymerization step, wherein a supply precision C/A (molar ratio) of a dicarboxylic acid (C) and a diamine (A) from the raw material mixing step to the amidation step is from 0.975 to 1.025, and an introduction of a transition metal compound into the polyamide resin and a regulation of a composition ratio CEG/AEG of carboxyl end groups (CEG) and amino end groups (AEG) are executed in the post-polymerization step.

[Claim 2]

A continuous producing method for a polyamide resin composition according to claim 1, wherein the polyamide resin composition contains a polyamide resin in which 40 mol% or more of the diamine component are constituted of m-xylylenediamine (MXD), a transition metal compound, a phosphor compound and an alkali metal compound; an atomic ratio P/M of metal atoms (M) of the transition metal compound and phosphor atoms (P) of the phosphor compound is 2 or less; and a content of the alkali metal compound

is 100 ppm or less as metal atoms.

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# METHOD FOR CONTINUOUSLY MANUFACTURING POLYAMIDE RESIN COMPOSITION

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## Abstract of JP2003252986

**PROBLEM TO BE SOLVED:** To provide a method for manufacturing a transition metal compound-containing polyamide (polyamide resin composition) of high qualities having excellent oxygen-absorbing performances with high productivity while suppressing gelation in a polymerization step.

**SOLUTION:** The method for continuously manufacturing a polyamide resin composition comprises a continuous manufacturing process comprising a step for preparing a raw material, an amidation step, an initial polymerization step and a latter polymerization step, where the supply accuracy C/A (in a molar ratio) of a dicarboxylic acid (C) and a diamine (A) from the step for preparing a raw material to the amidation step is 0.975-1.025 and introduction of a transition metal compound into the polyamide resin and adjustment by an acid anhydride of the composition ratio CEG/AEG of a carboxylic end group (CEG) to an amino end group (AEG) are carried out in the latter polymerization step.

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